CLAIM AMENDMENTS:

Please amend the claims as follows:

1. (Currently amended) A device for realizing an online element analysis for a substance [[(S)]] to be measured that is conveyed past or flows past a measuring station, said device comprising:

- a conveying device [[(51) for]] configured to continuously convey the substance to be measured; and

- [[a]] the measuring station [[with]] , further comprising an X-ray source [[(10)]] and an X-ray fluorescence detector [[(20)]] having a radiation inlet,

~~characterized in that at least one~~ wherein a first X-ray conductor extends from the radiation inlet of the X-ray fluorescence detector [[(20)]] in [[the]] a direction of the conveying device [[(51)]].

2. (Currently amended) The device according to claim 1 ~~characterized in that at least~~ wherein a second X-ray conductor extends from the X-ray source [[(10)]] in the direction of the conveying device.

3. (Currently amended) The device according to claim ~~1 characterized in that~~ 2 wherein at least one of the first ~~and/or~~ and the second X-ray conductor ~~each consist of at least~~ comprises one or more hollow [[tube]] tubes.

4. (Currently amended) The device according to claim 3, ~~characterized in that~~ ~~the~~ wherein at least one hollow tube ~~in part~~ is at least partly made of glass.

5. (Currently amended) The device according to claim 4, ~~characterized in that~~ ~~the~~ wherein at least one hollow tube is a glass capillary ~~(30, 40)~~.

6. (Currently amended): The device according to claim 3, ~~characterized in that~~ wherein at least [[some]] one of the hollow tubes [[are]] is provided with a window [[(30b)]] at [[the]] an end thereof facing the conveying device.

7. (Currently amended) The device according to claim 3, ~~characterized in that~~ wherein at least [[some]] one of the hollow tubes [[are]] is filled with hydrogen or helium.

8. (Currently amended) The device according to claim ~~3, characterized in that at least some of the hollow tubes are connected to a helium source (28) and are flushed with helium during the operation~~ 7, wherein several first and several second X-ray conductors exist and are combined so as to create a matrix-type structure.

9. (Currently amended) The device according to claim ~~2, characterized in that the first and the second X-ray conductors are combined in such a way that a~~

~~bundle of at least two X-ray conductors is formed at the X-ray conductor ends facing the conveying device~~ 7, wherein at least one second X-ray conductor and plural first X-ray conductors are provided, said plural first X-ray conductors arranged around the at least one second X-ray conductor, at least at an end of said at least one second X-ray conductor facing the conveying device.

10. (Currently amended) The device according to claim 7, ~~characterized in that several first and several second X-ray conductors exist and these are combined so as to create a matrix-type structure~~ wherein axes of the second X-ray conductor and the first X-ray conductor jointly enclose an acute angle in the direction of the conveying device.

11. (Currently amended) The device according to claim ~~8, characterized in that the axes of the X-ray conductors are parallel to each other at the end facing the conveying device~~ 10, wherein the substantially equal angle is a flat angle.

12. (Currently amended) The device according to ~~claim7, characterized in that at least one second X-ray conductor and several first X-ray conductors are provided, which are arranged around the second X-ray conductor, at least at the end facing the conveying device (51)~~ claim 3, wherein at least one of the hollow tubes is connected to a helium source and is flushed with helium.

13. (Currently amended) The device according to claim [[7]] 2, ~~characterized in that the axes of at least one~~ wherein the first and the second X-ray ~~conductor and at least one first X-ray conductor jointly enclose an acute angle in the direction of the conveying device~~ conductors are combined in such a way that a bundle of at least two X-ray conductors is formed at ends of the X-ray conductors facing the conveying device.

14. (Currently amended) The device according to claim 1, ~~characterized in that~~ wherein at least one thermal shield [[(59)]] is disposed between the X-ray fluorescence detector [[(20)]] and the conveying device [[(51)]].

15. (Currently amended) The device according to claim 1, ~~characterized in that it is provided with~~ further comprising a distance sensor for measuring [[the]] a height of [[the]] a sample surface.

16. (Currently amended) The device according to claim 15, ~~characterized in that~~ wherein the distance sensor is a laser distance sensor [[(60)]].

17. (Currently amended) The device according to claim 16, ~~characterized in that~~ wherein a waveguide [[(61)]] is connected to the laser distance sensor [[(60)]] to permit [[a]] remote distance ~~measuring~~ measurement.

18. (Cancelled)

19. (Currently amended) The device according to claim 1, ~~characterized in that~~ wherein an X-ray split lens [[(12)]] for [[the]] parallel alignment of [[the]] X-rays is disposed in [[the]] a beam path from the X-ray source [[(10)]].

20. (Currently amended) The device according to claim 1, ~~characterized in that~~ wherein a filter [[(42)]] or a monochromatic element is arranged in [[the]] a beam path from the X-ray source.

21. (Currently amended) The device according to claim ~~1, characterized in that a polarizer (44) is arranged in the beam path from the X-ray source~~ claim 20, wherein the filter functions as a window.

22. (Currently amended) The device according to claim 1, ~~characterized in that~~ wherein the first X-ray conductor and [[the]] exciting radiation from the X-ray source ~~essentially have the same~~ are at a substantially equal angle relative to [[the]] a sample surface.

23. (Currently amended) The device according to claim ~~13, characterized in that the angle is a flat angle~~ 1, wherein a polarizer is arranged in a beam path from the X-ray source.

24. (Currently amended) The device according to claim 21, ~~characterized in that~~ wherein the flat angle corresponds to [[the]] a Brewster angle for ~~the polarized~~ radiation polarized by the polarizer.

25. (Cancelled).

26. (Currently amended) The device according to claim 1, ~~characterized in that~~ wherein the measuring station is arranged on a traversing and/or pivoting carriage.

27. (New) A device for realizing an online element analysis for a substance to be measured that is conveyed past or flows past a measuring station, said device comprising:

- a conveying device for the substance to be measured; and
- the measuring station, further comprising an X-ray source and an X-ray fluorescence detector having a radiation inlet,

wherein a first X-ray conductor extends from the radiation inlet of the X-ray fluorescence detector in a direction of the conveying device,

wherein a second X-ray conductor extends from the X-ray source in the direction of the conveying device,

wherein at least one of the first and the second X-ray conductor comprises at least one hollow tube,

wherein the at least one hollow tube comprises a plurality of hollow tubes and at least one of the plurality of hollow tubes is connected to a helium source and is flushed with helium,

wherein axes of the X-ray conductors are parallel to each other at ends of said X-ray conductors facing the conveying device.

28. (New) A device for realizing an online element analysis for a substance to be measured that is conveyed past or flows past a measuring station, said device comprising:

- a conveying device for the substance to be measured; and
- the measuring station, further comprising an X-ray source and an X-ray fluorescence detector having a radiation inlet,

wherein a first X-ray conductor extends from the radiation inlet of the X-ray fluorescence detector in a direction of the conveying device,

further comprising a distance sensor for measuring a height of a sample surface,

wherein the distance sensor is a laser distance sensor,

wherein a waveguide is connected to the laser distance sensor to permit remote distance measurement,

wherein the waveguide forms a bundle together with the first X-ray conductor.